CLAIMS

What is claimed is:

1. A resource integration program comprising:

a plurality of inputs for enabling flight load information to be received by the program; and

a module for integrating a plurality of flight load related resources, in connection with the inputs, to generate useful information for balancing flight loads at at least one specific time during a flight of a mobile platform.

2. The program of claim 1, wherein the program is capable of generating useful information for balancing flight loads at at least one other specific time during the flight of the mobile platform without further user intervention being required.

3. The program of claim 1, wherein the program includes a module for using at least one user input to enable a user to input information for use in generating said useful information for balancing said flight loads.

4. The program of claim 3, wherein the at least one user input comprises a designation of at least one of the plurality of flight load related resources

5. The program of claim 3, wherein the at least one user input comprises a designation of the at least one specific time.

6. The program of claim 3, wherein the module for using at least one user input generates at least one interactive screen.

7. The program of claim 1, wherein the plurality of flight load related resources comprises a plurality of information streams.

8. The program of claim 1, wherein the program accesses simulation data and computational fluid dynamics data when generating the useful information.

9. A system comprising:

a processor;

a plurality of flight load related resources;

a plurality of inputs for enabling flight load information to be received by the processor; and

a resource integration program executable by the processor for integrating the plurality of flight load related resources, in connection with the inputs, to generate useful information for balancing flight loads at at least one specific time during a flight of a mobile platform.

10. The system of claim 9, wherein the program is capable of generating useful information for balancing flight loads at at least one other specific time during the flight of the mobile platform without further user intervention being required.

11. The system of claim 9, further comprising a module for using at least one user input to enable a user to input information for use in generating said useful information for balancing said flight loads.

12. The system of claim 11, wherein the at least one user input comprises a designation of at least one of the plurality of flight load related resources.

13. The system of claim 11, wherein the at least one user input comprises a designation of the at least one specific time.

14. The system of claim 9, wherein the module for using at least one user input generates at least one interactive screen.

15. The system of claim 9, wherein the plurality of flight load related resources comprises a plurality of information streams.

16. The system of claim 9, wherein the system accesses simulation data and computational fluid dynamics data when generating the useful information.

17. An interface comprising:

means for enabling at least one input for enabling flight load information to be received by the interface; and

means for integrating a plurality of flight load related resources, in connection with the input, to generate useful information for balancing flight loads at at least one specific time during a flight of a mobile platform.

18. The interface of claim 17, further comprising means for generating useful information for balancing flight loads at at least one other specific time during the flight of the mobile platform without further user intervention being required.

19. The interface of claim 17, further comprising means for using at least one user input to enable a user to input information for use in generating said useful information for balancing said flight loads.

20. The interface of claim 19, wherein the at least one user input comprises a designation of at least one of the plurality of flight load related resources.

21. The interface of claim 19, wherein the at least one user input comprises a designation of at least one specific time.

22. The interface of claim 19, wherein the means for using at least one user input comprises means for generating at least one interactive screen.

23. The interface of claim 17, wherein the plurality of flight load related resources comprises a plurality of information streams.

24. A method comprising:

integrating a plurality of flight load related resources;

said flight load related resources capable of using flight load information to generate useful information for balancing flight loads at at least one specific time during a flight of a mobile platform.

25. The method of claim 24, further comprising using said flight load related resources to generate the useful information.

26. The method of claim 25, further comprising accessing simulation data and computational fluid dynamics data to generate the useful information.

27. The method of claim 24, wherein the method comprises using at least one user input to enable a user to input information for use in balancing said flight loads.

28. The method of claim 27, wherein the information input by the user comprises designation of at least one of the plurality of flight load related resources.

29. The method of claim 27, wherein the information input by the user comprises designation of the at least one specific time.

30. The method of claim 24, further comprising enabling the balancing of flight loads at at least one other specific time during the flight of the mobile platform without further user intervention being required.

31. The method of claim 24, further comprising analyzing balanced flight loads to determine at least one critical load point during the flight of the mobile platform.

32. The method of claim 24, wherein the plurality of flight load related resources comprises a plurality of information streams.